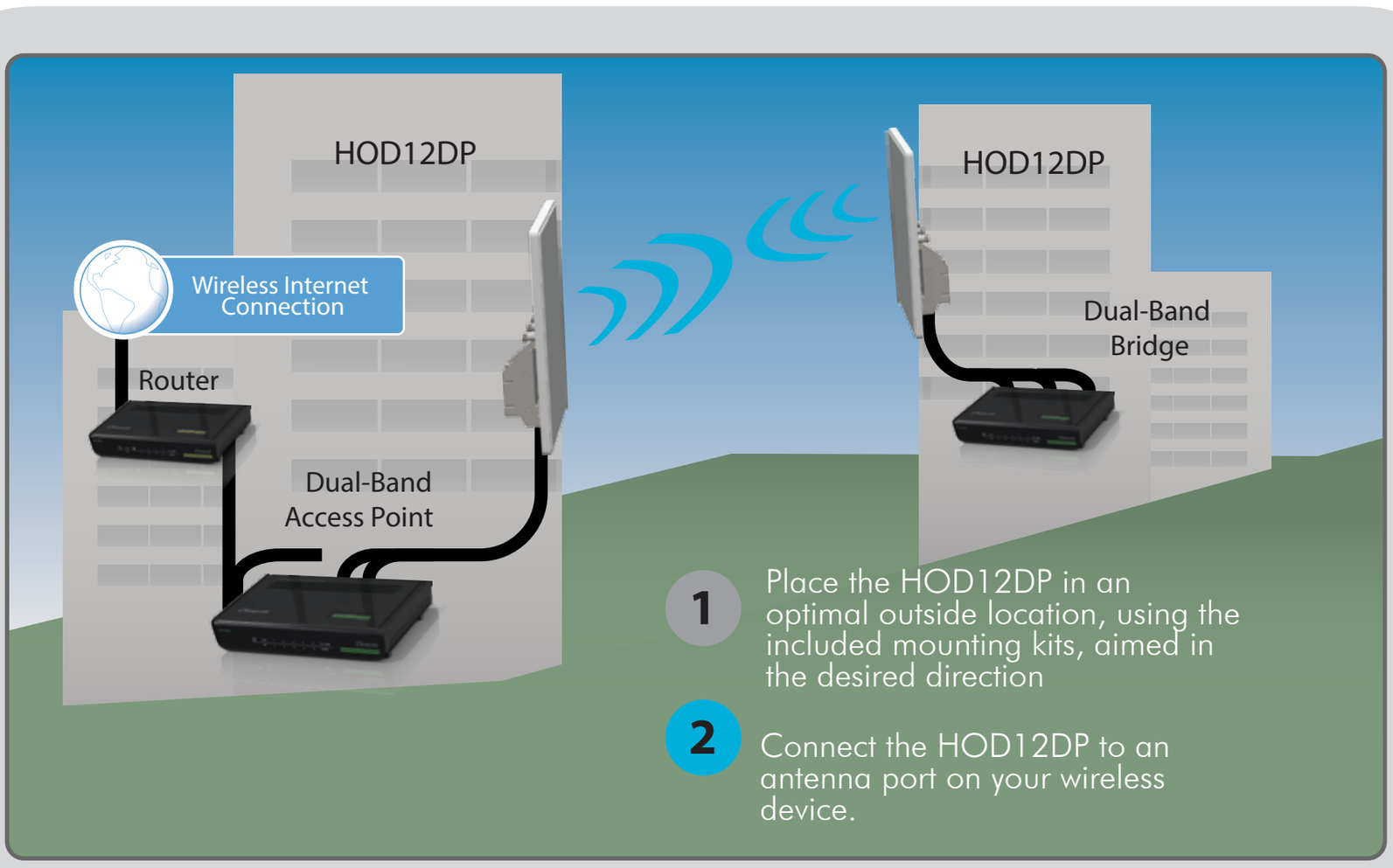
Start Here



You can utilize a single HOD12DP to extend your wireless signal, however the HOD12DP is ideal for building to building solutions. Supplement an existing network by attaching your HOD12DP to a Dual-Band Access Point Bridge and transmitting the signal to another HOD12DP and Dual-Band Bridge combination. For the best performance make sure to place the antennas so that they face each other directly.

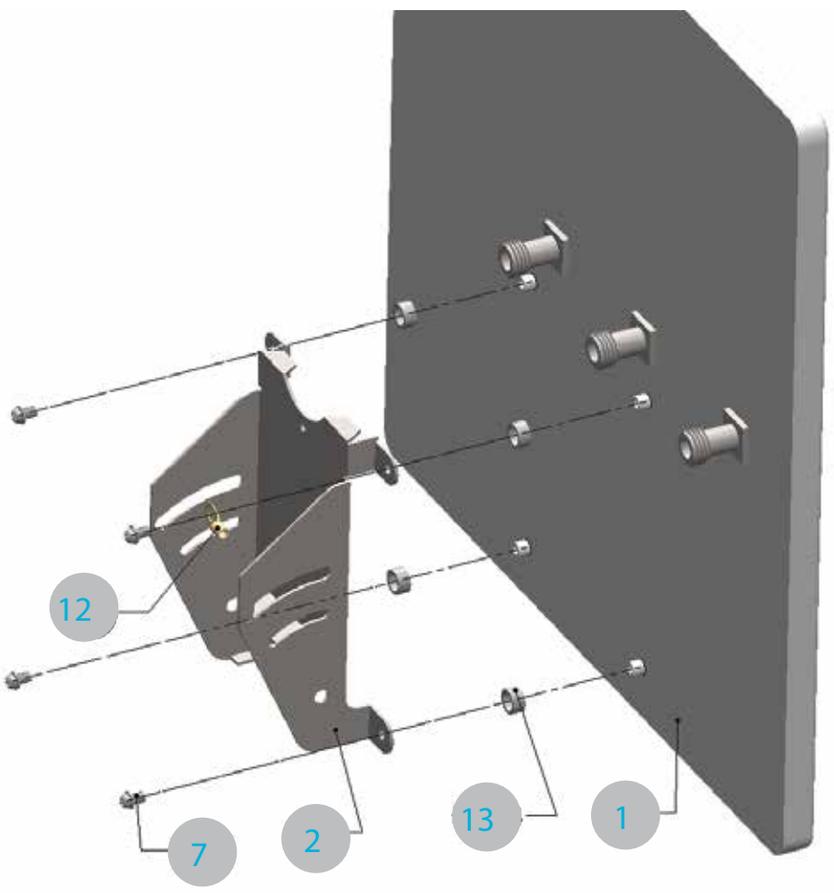
Package Contents

1. HOD12DP Antenna
2. Mounting Base
3. M-Bracket
4. Pole Mount Bracket
5. M6x60 Hex (x2)
6. M6x16 Hex (x4)
7. M4x8 (x4)
8. Wall Screw (x4)
9. Wall Anchor (x4)
10. M6 Flat (x6)
11. M6 Split (x6)
12. Spacer (x4)
13. Grounding Lug
14. Adapter Cable

Requirements

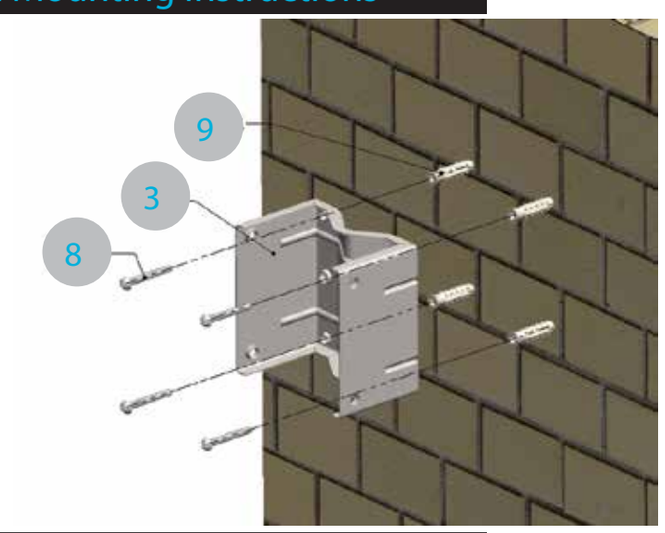
- Wireless Device with Removable Antenna
- 3x Low Loss Outdoor Antenna Cables (Hawking HAC10N/HAC20N/HAC30N or equivalent)
- Copper Grounding Wire
- Available Pole or Wall for Mounting

1 Mounting Your Antenna

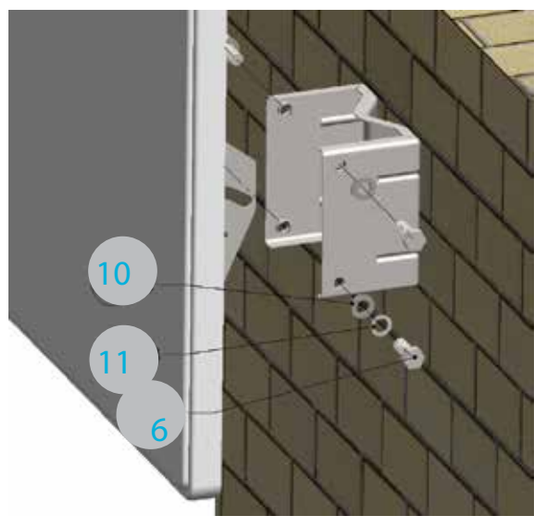


Wall Mounting Instructions

a.

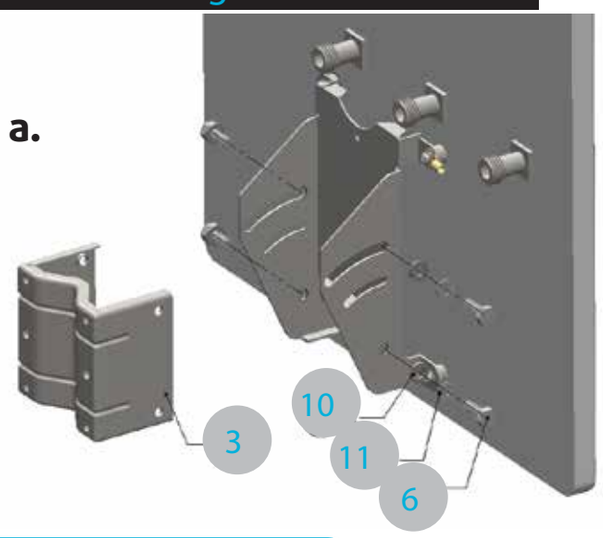


b.

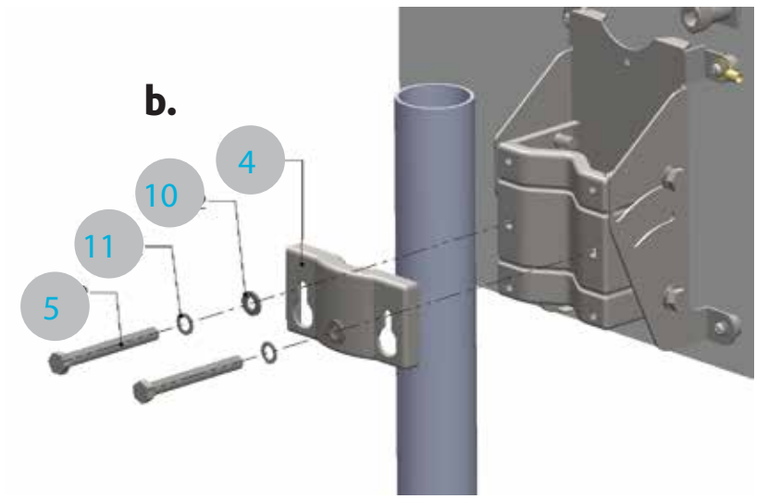


Pole Mounting Instructions

a.



b.



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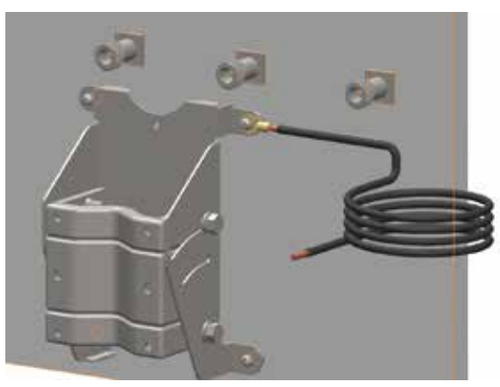
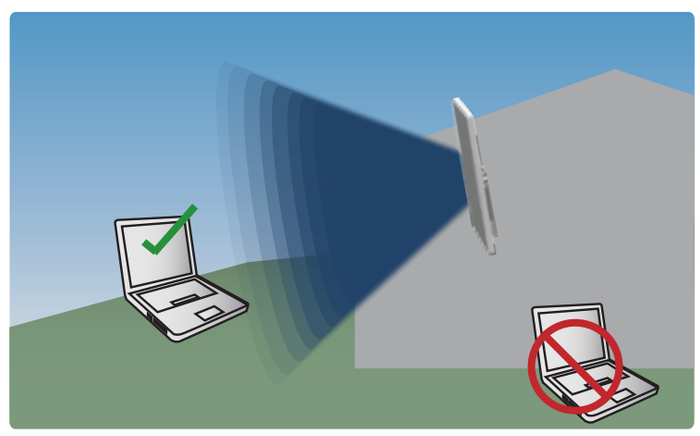
2 Grounding Instructions

It is important to ground your antenna to prevent electrocution and lightning damage. To ground the antenna attach a grounding wire (not included) to the grounding lug. Attach the other end to your building's ground.



3 Finding Signal

Once you have mounted and connected your Hi-Gain™ Outdoor Dual-Band 12dBi Directional Antenna, be sure to note the signal pattern of the antenna. While you will experience superior range and quality with your HOD12DP, you must be in range of the antenna's signal. As indicated by the diagram at the right, the directional antenna does not give off signal directly below or directly behind the product. You will receive optimal wireless signal by placing your wi-fi enabled device within the designated area. Adjust the antenna as needed.

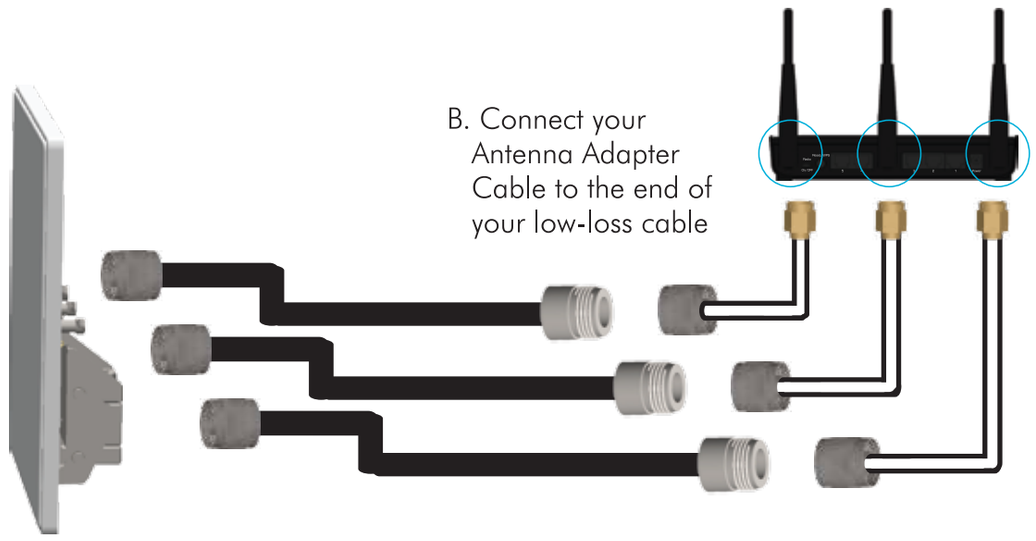


4 Connecting the Antenna to Your Device

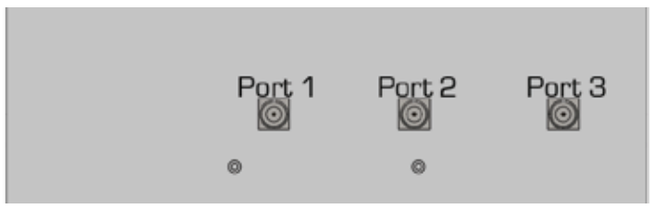
A. Attach a low-loss outoor cable (not included) to the base of the Antenna

B. Connect your Antenna Adapter Cable to the end of your low-loss cable

C. Remove the antenna from your wireless device and affix the small gold end to the antenna port connector



NOTE: If your device has only one removable antenna port, connect to the antenna port labeled "port 3". If your device has two ports, use the ports labeled "port 2" and "port 3".



Specifications

Environmental & Mechanical Characteristics	
Survival wind speed	216 Km/hr
Temperature	-40 ° C to +80 ° C
Humidity	95 % @ 55 ° C
Radome color	White
Radome material	ABS, UV resistant
Weight	1.72 Kg
Dimensions	360 x360 x 40 mm
Waterproof	IP-X7
Mounting kit	Pole mount & Wall mount

Electrical Specifications		
Frequency range	2400 - 2500 MHz	5150 - 5875MHz
Gain	11 dBi	12 - 14 dBi
VSWR	2.0 : 1 (Max.)	2.0 : 1 (Max.).
Polarization	Linear, Horizontal & Vertical x 2	Linear, ± 45 ° & Vertical
Horizontal HPBW	35° - 45 °	19 ° - 22 °
Vertical HPBW	36° - 38 °	25 ° - 31 °
Sidelobes level	-10 dB (Max.)	-8 dB (Max.)
Front-to-back ratio	-20 dB (Max.)	
Isolation	22 dB (Min.)	27dB (Min.)
Input impedance	50 ohm	
Cable	N/A	
Connector	N jack x 3	
Power handling	10 W (cw)	6 W (cw)
Lightning protection	DC ground	

Other Hawking Hi-Gain™ Dual-Band Products

HOD10IP
Outdoor Dual-Band 10dBi Omni-Directional Antenna

HACST
TNC to RP-SMA Connector Adapter

HASP1
Surge Protector for Outdoor WiFi Antenna

HAC10N / HAC20N / HAC30N
10 / 20 / 30 Ft.
Hi-Gain Outdoor Low Loss Cable

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